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APPLICANT : FUJI PHOTO FILM CO LTD;

INVENTOR : OTANI SUMIO;

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TITLE : PRECISION FILTER MEMBRANE

ABSTRACT : PURPOSE: To offer such a precision filter membrane for crossflow filtering in which a cake depositing on the filter pores is easily peeled by the counter flow.

CONSTITUTION: A cellulose acetate fine pore memberane having 50-60% average acetylation degree is saponified with alkali to decrease the average acetylation degree by 3-5% from the original acetylation degree. After forming the above cellulose acetate memberane, the surface layer adjacent to the supporting body used for film formation is peeled and removed by several μm depth. The obtd. precision filtering membrane has $\geq 30\%$ surface porosity and the surface pore diameter of the peeled surface is larger by 2 to 20 times than the surface pore diameter of the opposite side.

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